

Mouse NADE

1 MANVHQEENEEMEQLQNGCEEDRPGGGEGHGHPAGNNNNNNHHNHNHHRHRR
||| ||||||||| ||||||||| ||||||||| ||| |||

Human NADE

1 MANIHQEENEEMEQLPMQNGCEEDRPLGGEGHGHPAGN-----RR

| | | | | | | | | | | | | | |
|--------------|------|----|----------------|---------|--------|---------------|-------------------|---|---|---|---|---|---|
| Mouse | NADE | 51 | GOARRLAPNFRWAI | PNRQMN | DGLGGD | DDMEMFMEEMREI | <u>RRKLRELQLR</u> | * | * | * | * | * | * |
| | | | | | | | | | | | | | |
| Human | NADE | 38 | GOARRLAPNFRWAI | PNRQIND | GMGGD | DDMEIFMEEMREI | RRKLRELQLR | | | | | | |

| | | | |
|-------------------|-----|---------------------------|-----|
| Mouse NADE | 101 | NCLRIILMGELSNHHDDHDEFCLMP | 124 |
| | | | |
| Human NADE | 88 | NCLRILMGELSNHHDDHDEFCLMP | 111 |

Figure 1A

Figure 1 B

Figure 1 B

| | | Box 1 | Box 2 |
|------------------|--------|--------------------------------|-----------|
| | | ----- | ----- |
| Mouse | 88-114 | REIRRKLRRELQLRNCLRIILMGELSNNHH | |
| Human | 75-101 | REIRRKLRRELQLRNCLRIILMGELSNNHH | |
| Consensus | | RXXLXXLX--N | RXXLXXLXN |

Figure 1 C

002090:052220

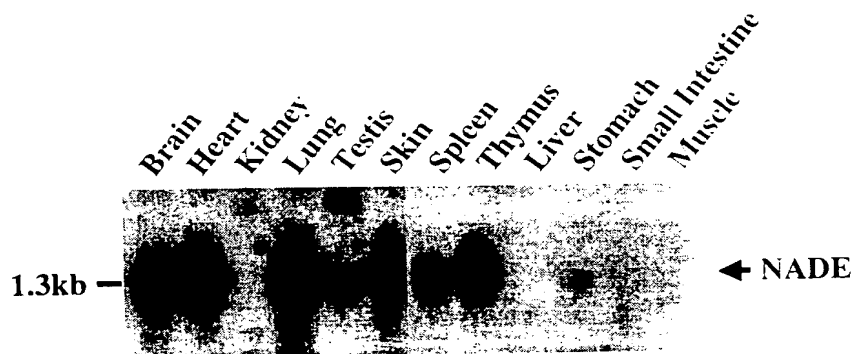


Figure 1 D

662090 05222660

Figure 1E

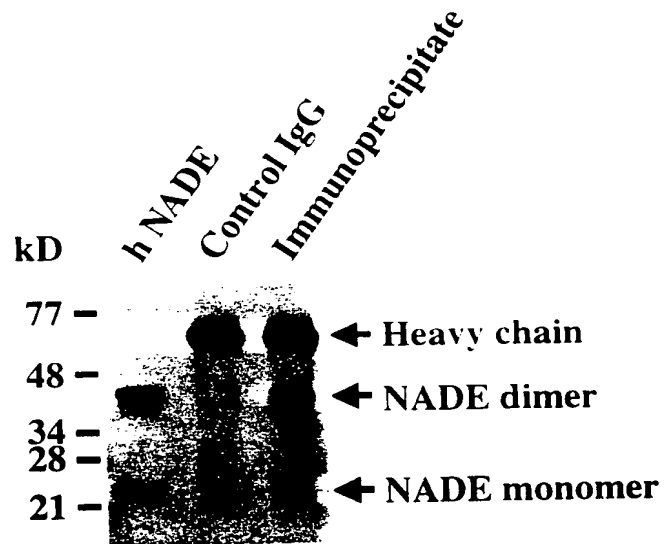


Figure 1F

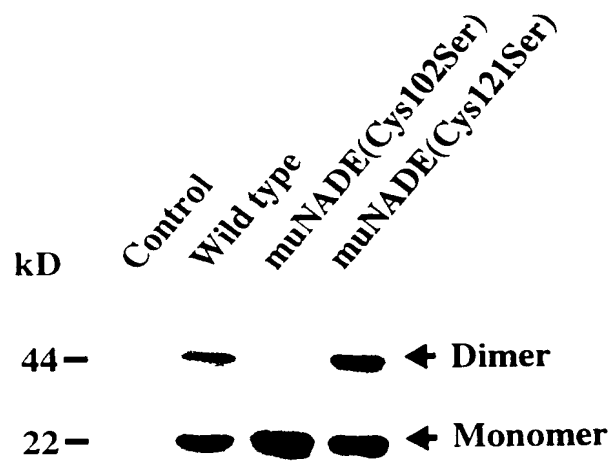


Figure 1G-1

Mouse

1 acgagcgtctggccagcagctcggagctcctctgcgcgcggcgggctggcagcgggccc 60
 61 aggcgagcgggacagattgactggaagccgagagtcaggcggcagcgggaattgacagg 120
 121 aggactacgccgcaagggataggcccagaatagcaaccaggaaacaaaatctcatcatgg 180
 181 ccaatgtccaccaggaaaacgaagagctggagcagccccctgcagaatggacaggaaagacc 240
 241 gccctgtgggaggagggtgagggccaccagcctgctgcaaacaacaacaacaaccaca 300
 301 accataaccacaaccaccaccgaagaggccaggctcgccgacctgccccctaacttccgat 360
 361 gggccattcccaacaggcagatgaatgacgggttgggtggagatggagatgatatggaaa 420
 421 tgttcattggaggagatgagagagatccggagaaagcttagggagctacagctgagaaatt 480
 481 gtctacgcatecttatgggggagctgtcttaaccaccacgatcaccatgatgaattctgcc 540
 541 ttatgccttgacttcgggtcattccccccctgagatccatactgtgactcccgcctgtagccc 600
 601 tttccctcgcatctttcctgacatgcctttaatgaccgccttctgtgtgagccctgtgttat 660
 661 ttccatgccatgtgccagggtggggcttgtgttgccagtga

Human

1 accccatcccccaactcctataccgggtcctccattttgggtgcctgcaaagctctgggaaag 60
 60 aatccccgggaaacgaaaaatgggtgggttttgggggaaggaggtaaggggagaaaagctgga 120
 121 gggagggggctttaattggaggccccgttagaggacgcgcggaacttctaagggtgggaaaaa 180
 181 acgaaattaaaaaatcctttgatatacagggtcttgaatcctgctgggtcagagcaccaagc 240
 241 attcagtcctctcctctgctttgtcttacttgtgttcaaagaaaaacaaccagaaaaaa 300
 301 aaaatctcatcatggcacaatatccaccaggaaaacgaagagatggagcagcctatgcaga 360
 361 atggagaggaagaccgcccccttgggaggagggtgaaggccaccagcctgcaggaaaatcgac 420
 421 ggggacaggctcgccgacttggcccttaattttcgatggggccatacccaataggcagatca 480
 481 atgatgggatgggtggagatggagatgatattgaaatattcatggaggagatgagagaaa 540
 541 ccagaagaaaaacttagggagctgcagttgaggaattgtctgcgtatccttatggggggagc 600
 601 tctctaatcaccatgaccatcatgatgaattttgccttatgccttgactcctgccattta 660
 661 tcatgagattaatactgtgattccccgctgttttcttttcttgcattttcctaatatgc 720
 721 ctttactgatccgtttgctgtgaaccctatgttatttccatgtgtcaagtgggtctttgtg 780
 781 ttgccagcttctatttgaagattgcctttgcactcagtgtaagtttttgcagcagtagt 840
 841 ttcaccattttgcatggaaaaatttaaagcgaataaagcaatttaaaaagc

Figure 1G-2

[illegible]

Figure 1H

8/16

Figure 2A

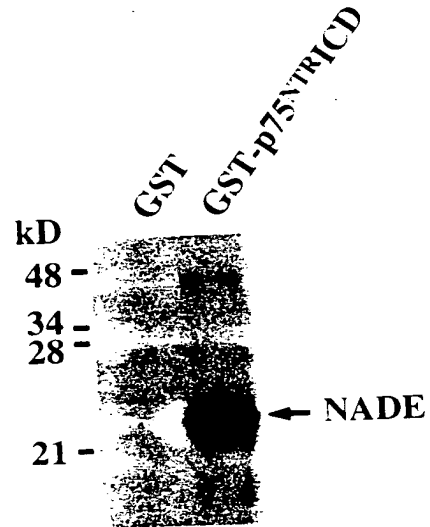
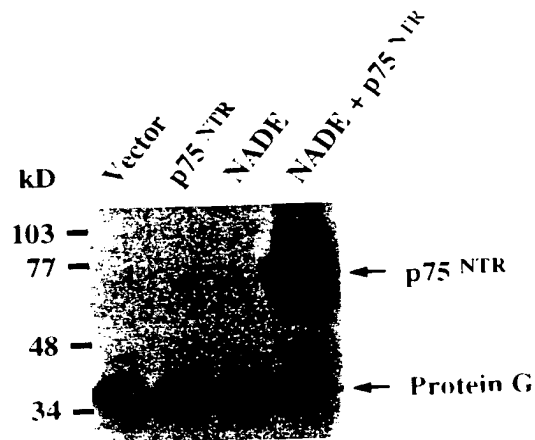


Figure 2B



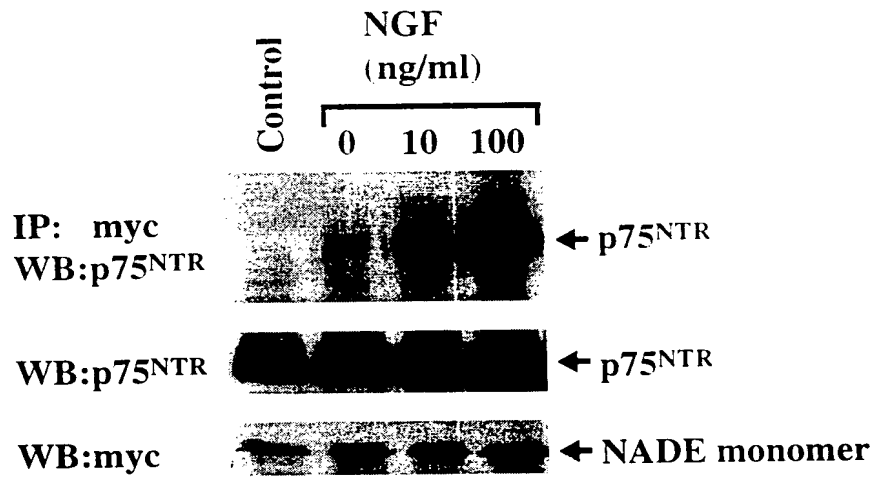
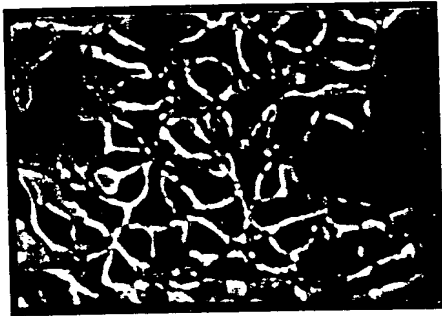
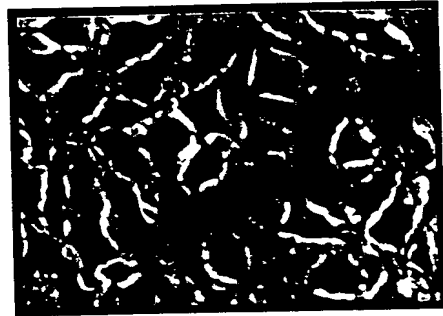


Figure 2C

10/16



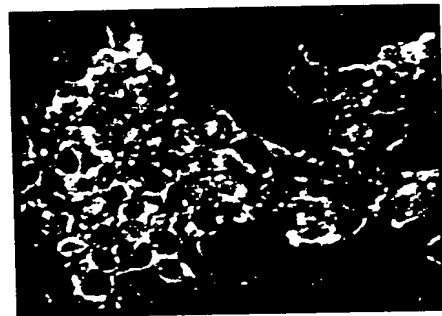
Control



NADE



p75^{NTR}

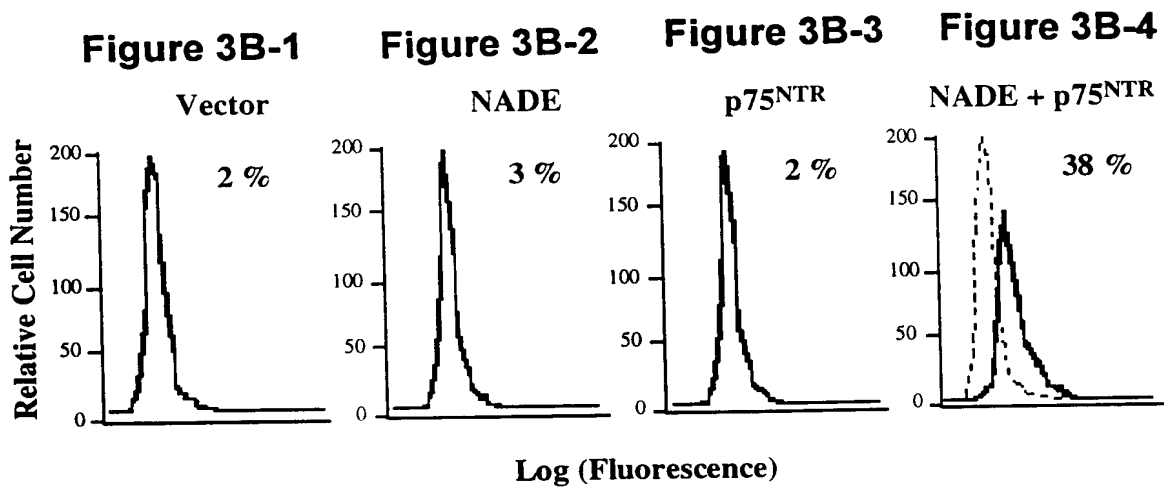


NADE + p75^{NTR}

Figure 3 A

0032750-060799

11/16



002090 092200

12/16

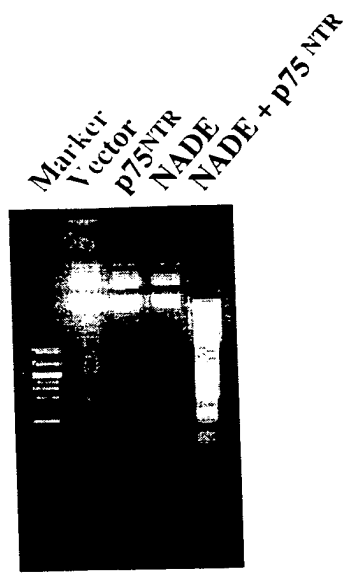


Figure 3C

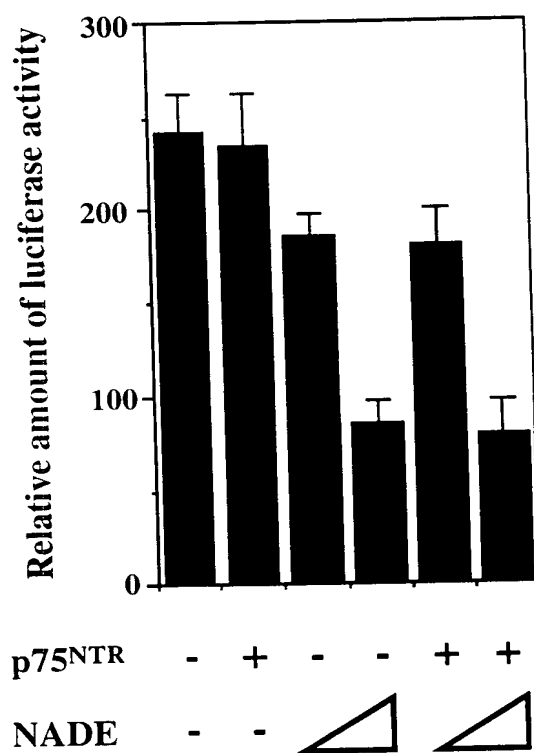


Figure 3D

14/16

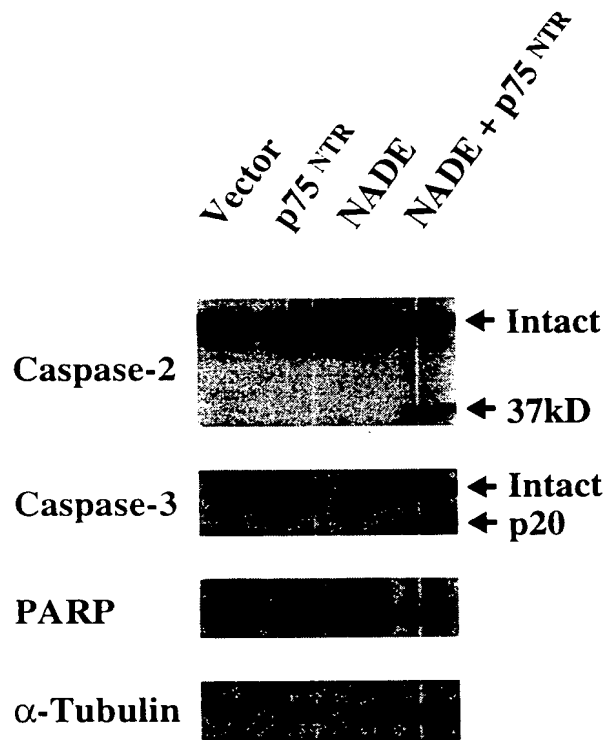
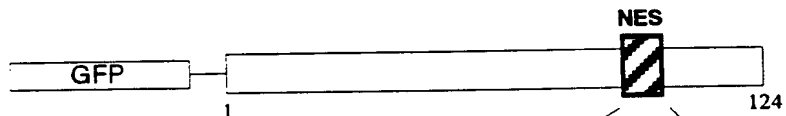


Figure 3E

000000-000000

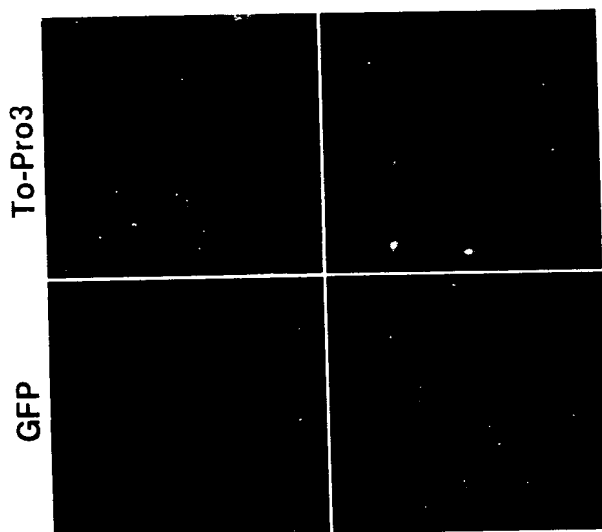
Figure 4A



90 94 97 99
REIRRKLEQLR
REIRRKLEQLR

LPPLERLTLD
ALQKLEELD
LTMKEVELELL
LALKLAGLDI

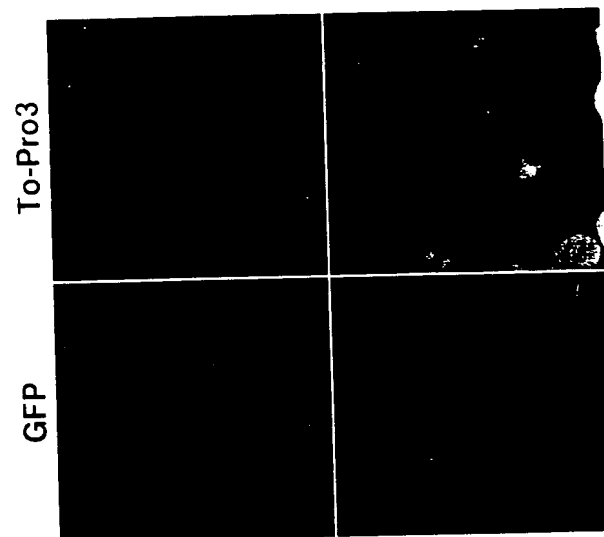
To-Pro3



GFP

WT mNADE-
GFP

Figure 4D



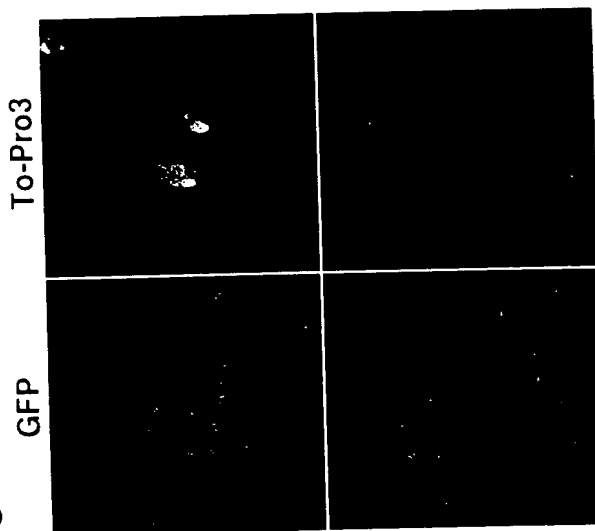
To-Pro3

GFP

L97A-GFP

**L94,97A-
GFP**

Figure 4C



To-Pro3

GFP

Δ(101-124)-GFP

Δ(91-124)-
GFP